

Defense Medical Logistics Standard Support (DMLSS)

***Leading the DoD/Industry Partnership
in Reinventing Medical Logistics***

LCDR Steven R. Patton

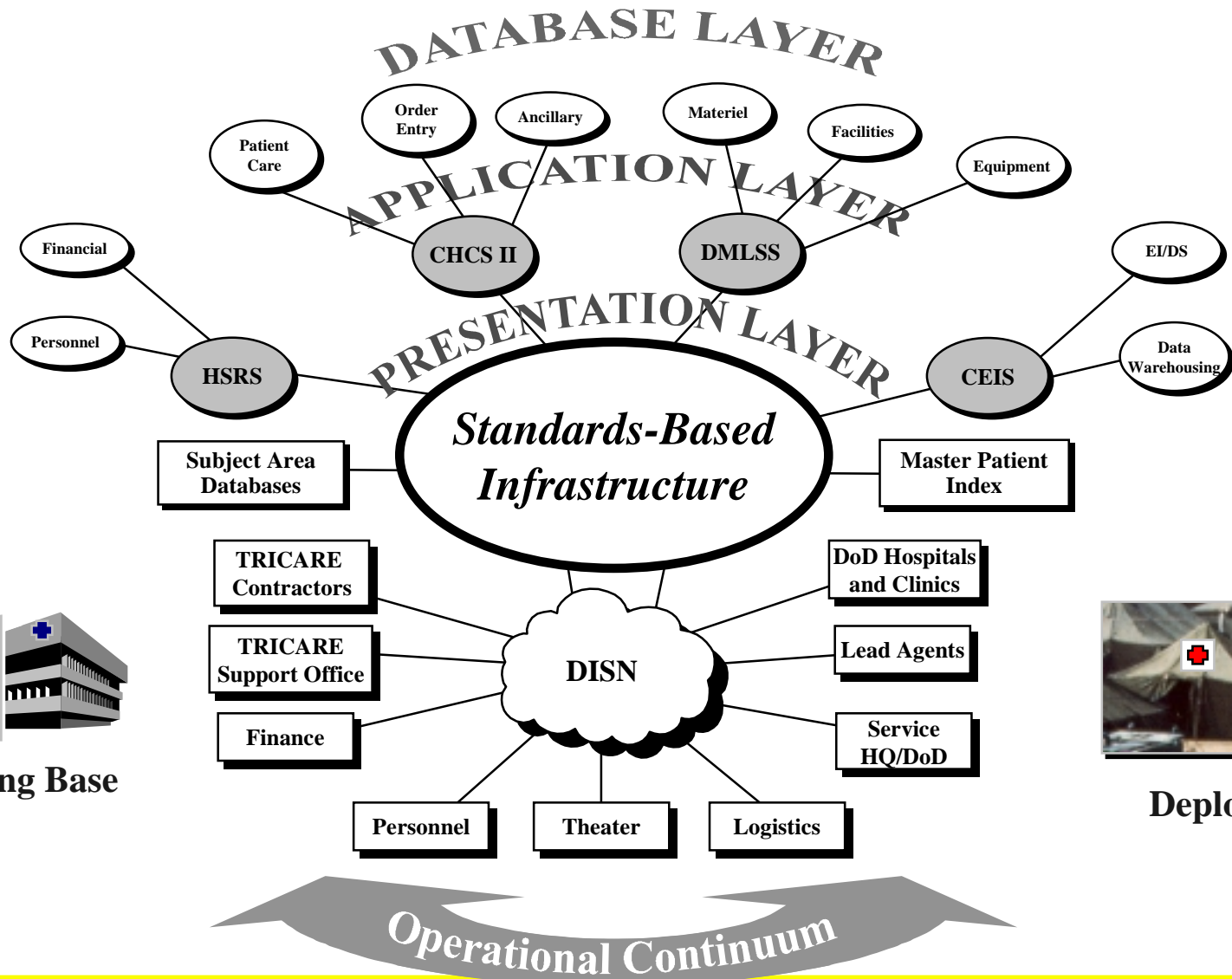
Mr. John Ballengee, Supply System Analyst

Great Lakes, Naval Hospital

Introduction - Purpose

- **Overview of DMLSS**
 - **Mission/Vision/ Master Plan**
- **DMLSS Release 2.0 Test Sites**
- **DMLSS Release 2.0 Test and Implementation**
 - **What you can do to get ready**
- **Present versus DMLSS Business Practices**
 - **Materials Management**
 - **Financial Management**
 - **Facilities Management**

MHS IM/IT Architectural Framework

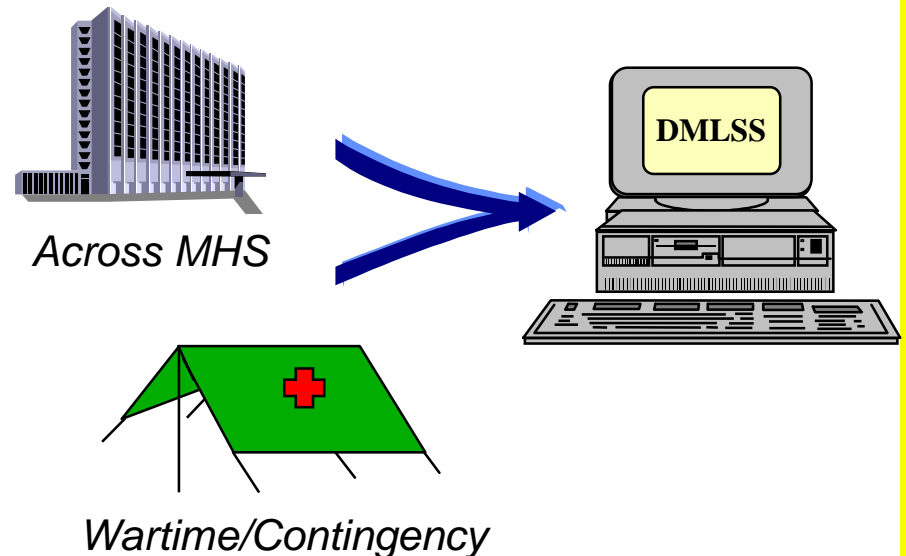


DMLSS Mission Statement

Dramatically improve the responsiveness of medical logistics support

- ***Implement business innovations that significantly increase effectiveness of logistics support while reducing costs***
- ***Develop a high-quality, integrated medical logistics automated system for use by all Army, Air Force and Navy forces in both peace and war***

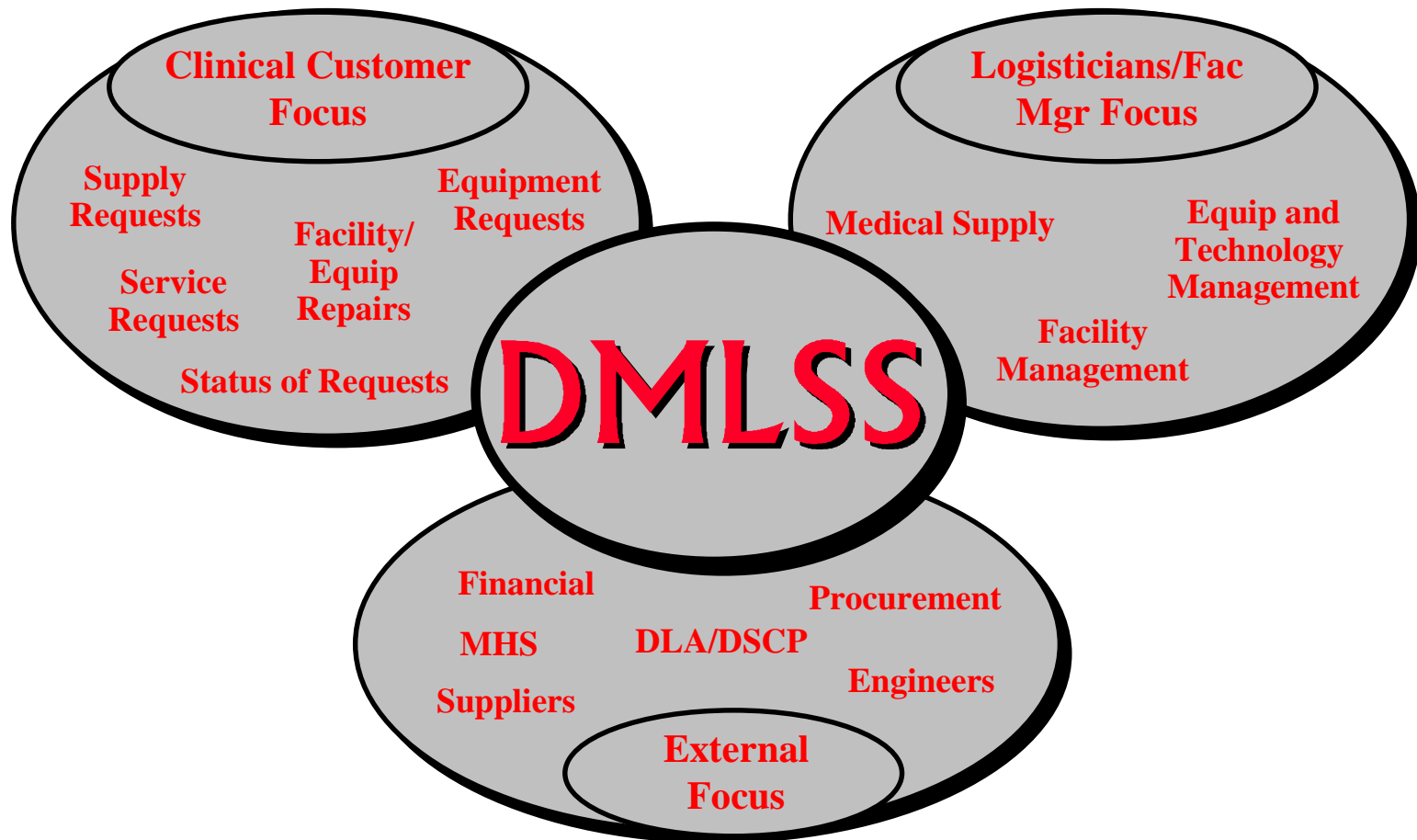
- Materiel
- Facilities
- Equipment & Technology Management
- Wholesale Functions



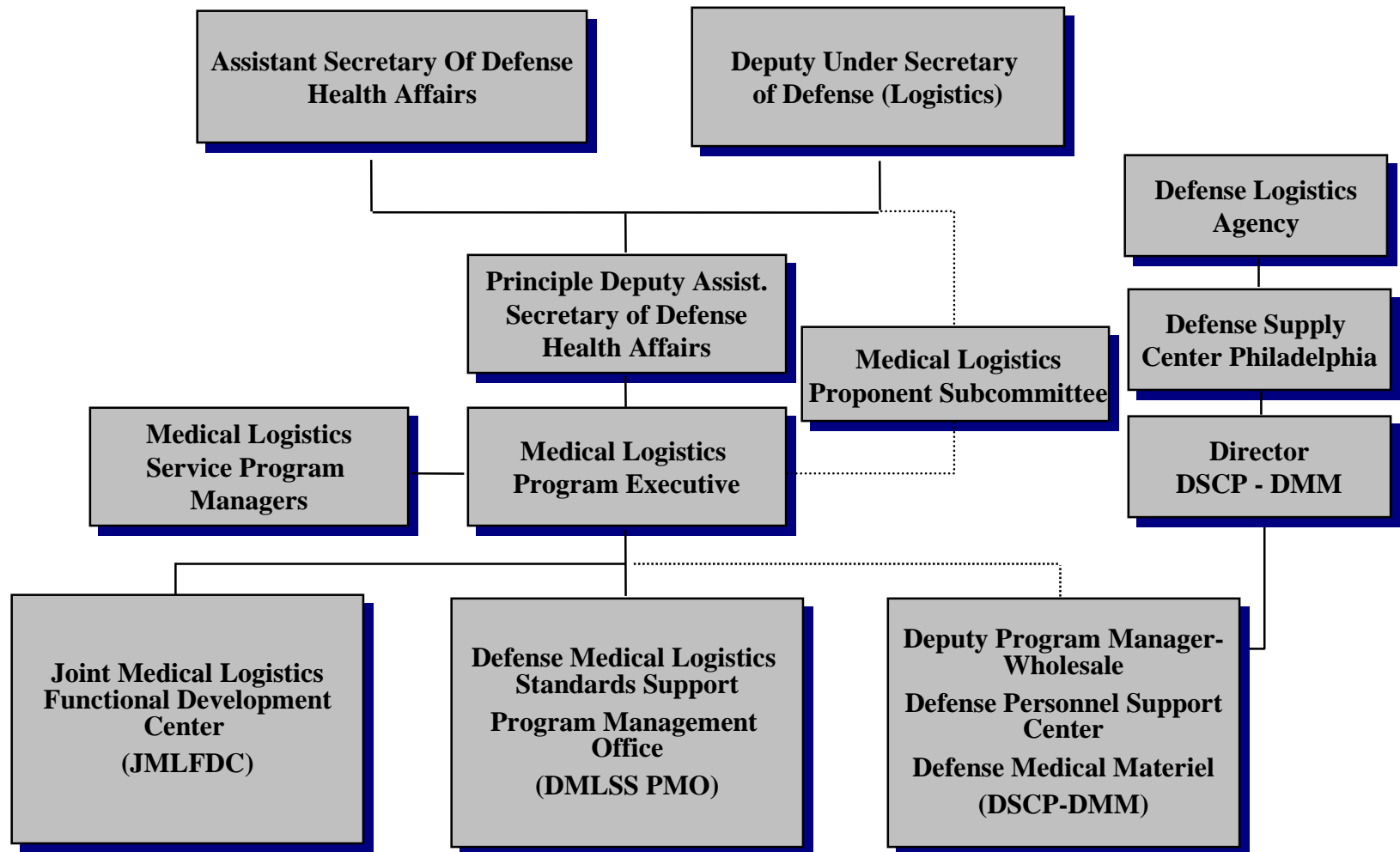
DMLSS Vision



DMLSS Retail Vision For The Year 2000



DMLSS Organization - Dual Sponsorship

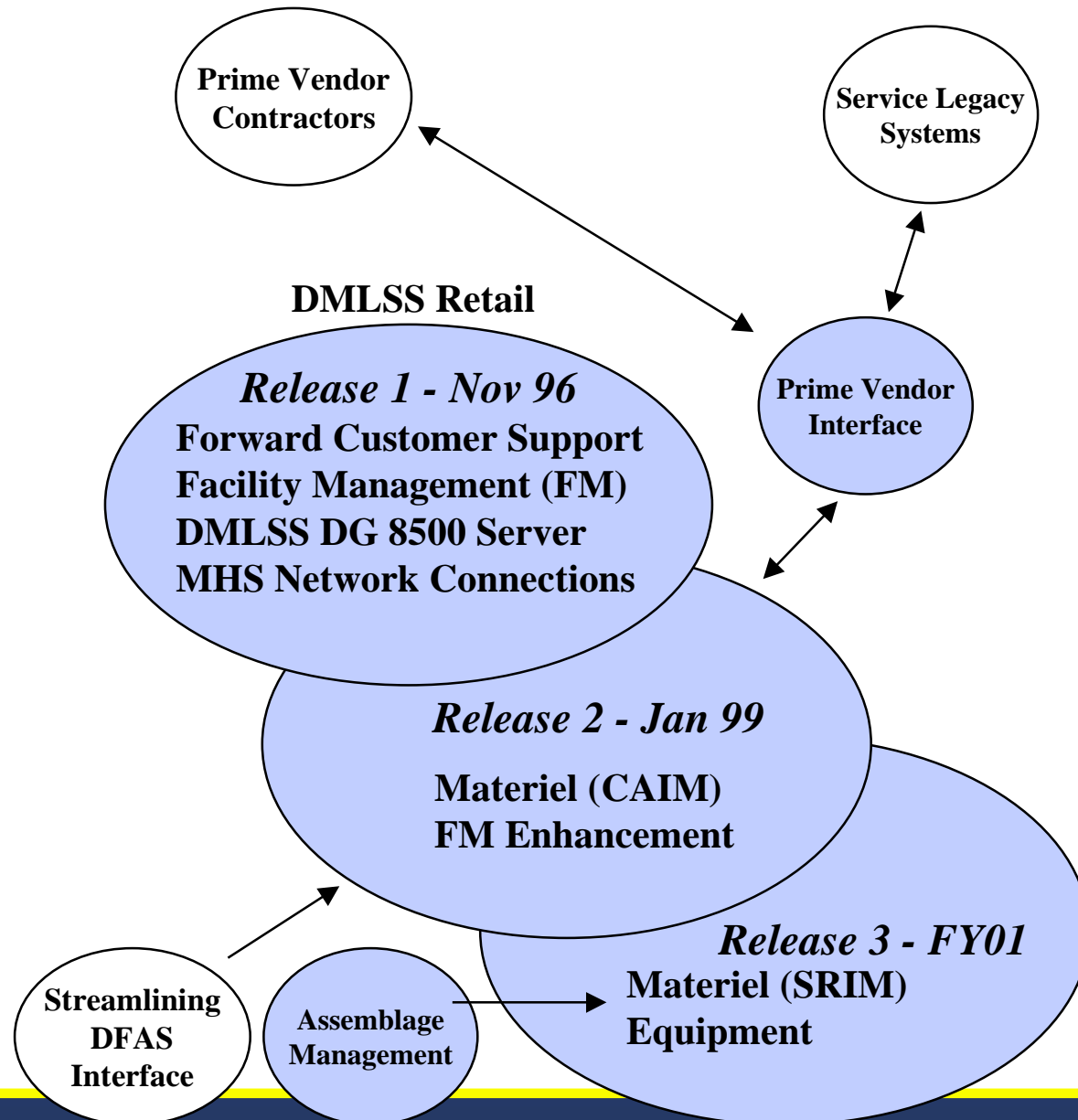


Navy Medicine - DMLSS Champions Functional and Technical Proponents

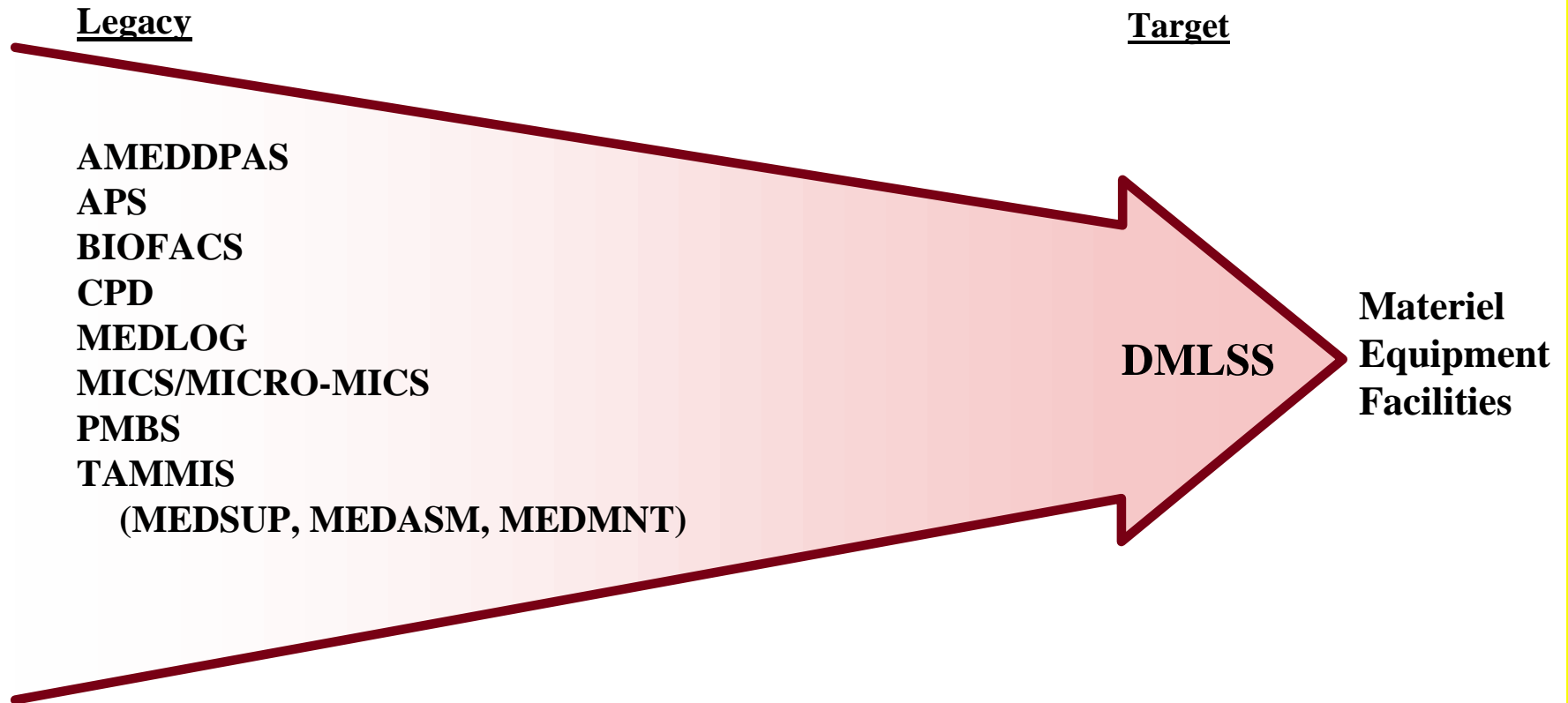
- **MED 01 - Finance**
- **MED 33 - Facilities Management**
- **MED 04/NavMedLogCom - Logistics**
- **NMIMC - Systems support, deployment and sustainment**

Goal: Highest return on investment and probability of success for the implementation and utilization of DMLSS Release 2.0

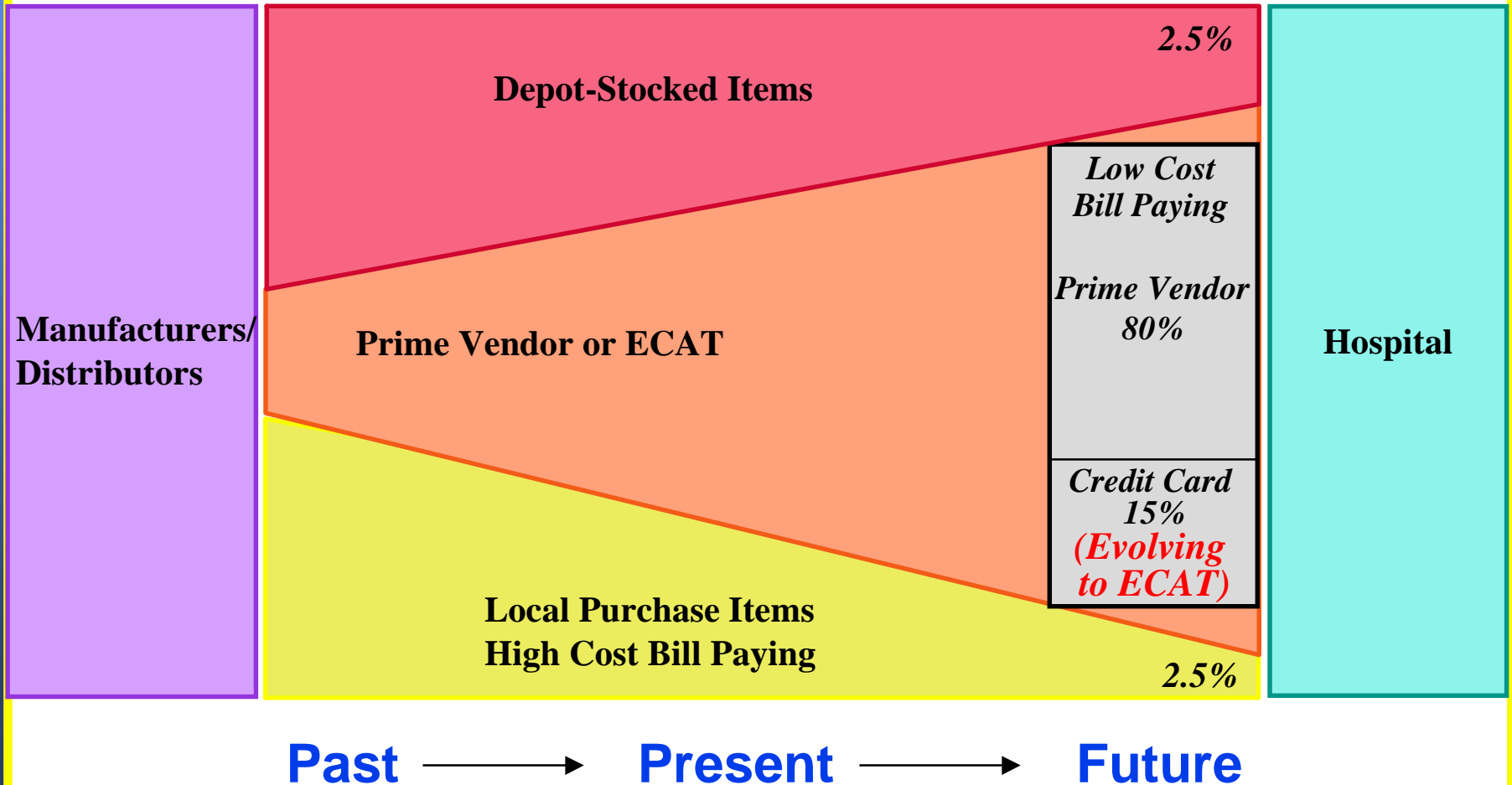
DMLSS Hospital Master Plan



DMLSS: One System Peace and War Army, Air Force, and Navy

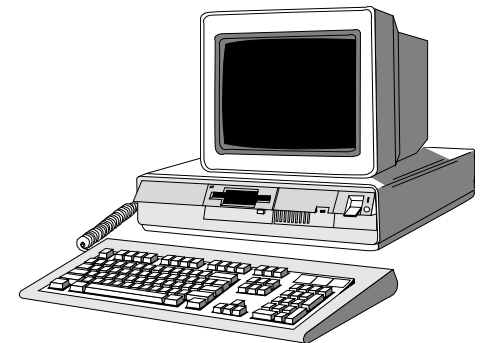


Reengineering Materiel Procurement In Medical Logistics



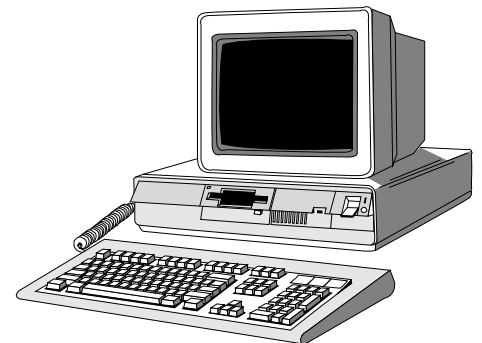
DMLSS Is a Tri-Service Business Process Improvement Program that will:

- **Allow Hospital Commanders to Apply Savings from Inventory Reduction toward Clinical Requirements**
- **Reduce MTF Stock On Hand**
- **Achieve Price Reductions on Supplies**
- **Improve Support to Medical Customers and Beneficiaries**



DMLSS Is a Tri-Service Business Process Improvement Program that will:

- **Reduce Clinical Staff Time Spent on Logistics Functions**
- **Provide Supplies Quicker**
- **Link Supplier and Providers Through Electronic Data Interchange**
- **Enhance Medical Readiness**



DMLSS Test Sites - Release 2.0

Army

Fort Belvoir

Fort Benning

Navy

Camp LeJeune

Great Lakes

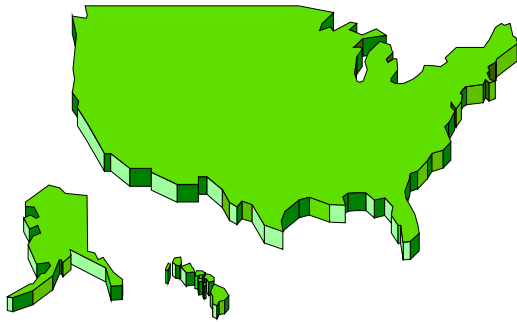
Air Force

Andrews AFB

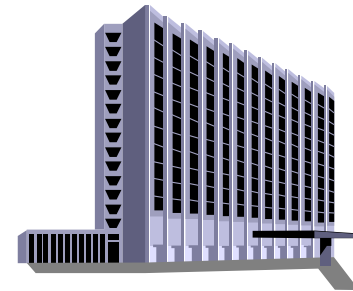
Wilford Hall AFB

DMLSS Release 2.0 - Why NH Great Lakes?

Geographic Proximity



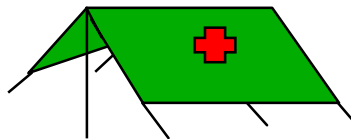
Right Size



Right Mix of Support Requirements

Full Range of Logistics Support Requirements

Remote Health Clinics



*Test Site Selection Criteria **

- **Leadership**
- **Embrace change**
- **Legacy system reliance (CPD and MICRO-MICS)**
- **Data migration**
- **Super user of systems (Mr. Ballengee,) ****
- **Computer literacy**
- **Workload**
- **On-site technical support**

* **Based on a NMLC sponsored study by Coopers and Lybrand for SPS implementation NH Great Lakes scored highest**

** **Participated in Super user reviews during Release 2.0 development**

Goals

- **Test the functionality of DMLSS Release 2.0**
- **Test the deployment process for DMLSS Release 2.0**
- *Provide NH Great Lakes with a world class medical logistics information system*

Resources for Implementation

<i>Provided by:</i>	DMLSS	Service/MTF
HW(PC/Server):	Base Configuration *	Expansion
Software:	Base (+ 10 licenses)	Expansion
- FM Drawings	DrawBase	BUMED/MTF **
Infrastructure/RF	PMO/TIMPO	LAN Connectivity
Personnel:		
- Technical	PMO/EDS	NMIMC/MID
- SA in Log		MTF
- Functional	JMLFDC	NMIMC/MTF
- FM, MM, Fin.		MTF
Activation	JMLFDC/EDS	NMIMC/MTF
Training	PMO/JMLFDC/EDS	NMIMC/MTF

*** Value of HW provided: \$127,000 ** Estimated cost \$30 - 50k**

***What Can I Do To
Get My Facility
Ready for DMLSS?***

What Can The Command / ESC Do?

- **Positive command culture and customer base to change business practices**
 - “Logistic Forward” concept embraced and personnel assigned and working in customer areas
 - Maximum use of credit cards
 - Decrease emphasis on open procurement / contracting
 - OPTAR targets for customers
 - System / functional administrators in Log / Finance / FM
 - Radio frequency / Hand held terminal technology
- **Commitment to utilization and sustainment of DMLSS**
- **Staff for maximum utilization of DMLSS**
- **Coordinate with the Navy DMLSS deployment team**
- **Commitment to user orientation and training program**

Multidisciplinary Approach - Critical Players

- **IRMD**
- **Fiscal**
- **Facilities Management**
- **Materiel Management**
- **Pharmacy**
- **Customers (Internal and Branch clinics)**

IMPACTS ENTIRE COMMAND!

Staffing Considerations

- **Preparation and orientation**
- **Roles and responsibilities**
- **Training and Sustainment**
- **Functional and technicals in critical areas**
- **Implementation / Utilization**
- **Benefits to command and staff**
 - Free clinical personnel from logistics duties
 - Opportunity to learn and utilize new business practices
 - Supports EBC / Tricare

Implications of Being a Test Site

- **NH Camp Lejeune blazed the trail for Navy Medicine and the DMLSS program as the first developmental test and evaluation site**
- **NH Great Lakes benefits from lessons learned and stabilization of new system - continues to blaze the trail**
- **Major change management challenge - not business as usual - new supply, facilities, and financial business practices**
- **Concentrated effort by the DMLSS program, NMIMC and functional proponents to realize success!**

Schedule for Test / Implementation

- **7 - 11 Dec 98** **Site survey**

- **Jan - Mar 99** **MTF organization development in system**
 Site preparation
 Data conversion
 Training

- **April - May 99** **Hardware arrival and set up**
 Implementation of DMLSS Release 2.0

Present versus DMLSS Business Practices
Materiel Management

Customer Area Inventory Management

Information support for medical logistics practices which are:

BETTER, FASTER, CHEAPER

CAIM
is the Building Block
for
DMLSS Materiel Management

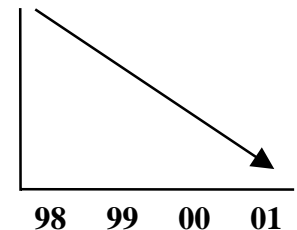


DMLSS Release 2.0 - CAIM

■ **Best Prices - *Saves \$'s***

- Improved price comparison tools
- Reduce costly local purchase actions
- Manage credit card purchases

Price of Supplies/Drugs



■ **Best Distribution Method - *Saves \$'s and Time***

- RF networks and Bar Code Technology to facilitate receiving and replenishment
- Standard interfaces with Prime Vendors using cutting edge Electronic Commerce practices

■ **Reduced Inventory Levels**

- Tailored customer level inventory management
- Eliminate duplicate tiers of inventory

NH Great Lakes

A diagram of a warehouse layout. On the right, a blue truck is parked at a loading dock. A yellow arrow points from the truck towards a storage aisle on the left, which is formed by two tall shelving units. The aisle is highlighted in yellow.

Prime Vendor

The diagram illustrates a hospital layout with various departments and their connectivity. The departments shown are:

- ICU (Intensive Care Unit):** Features a **Point-of-Use System** and a **Nursing Station**. It is connected to the **Logistics** area via a **DMLSS Server**.
- WARD A:** Features a **Nursing Station** and a **Batch** processing area.
- Pharmacy:** Features a **Nurse** and a **Pharmacy** area. It is connected to the **ICU** and **Receiving** areas via a **LAN** backbone.
- Receiving:** Features a **Doctor** and a **Receiving** area. It is connected to the **Pharmacy** area via a **LAN** backbone.
- Logistics:** Features a **DMLSS Server** and a **Logistics** area. It is connected to the **ICU** area via a **DMLSS Server**.

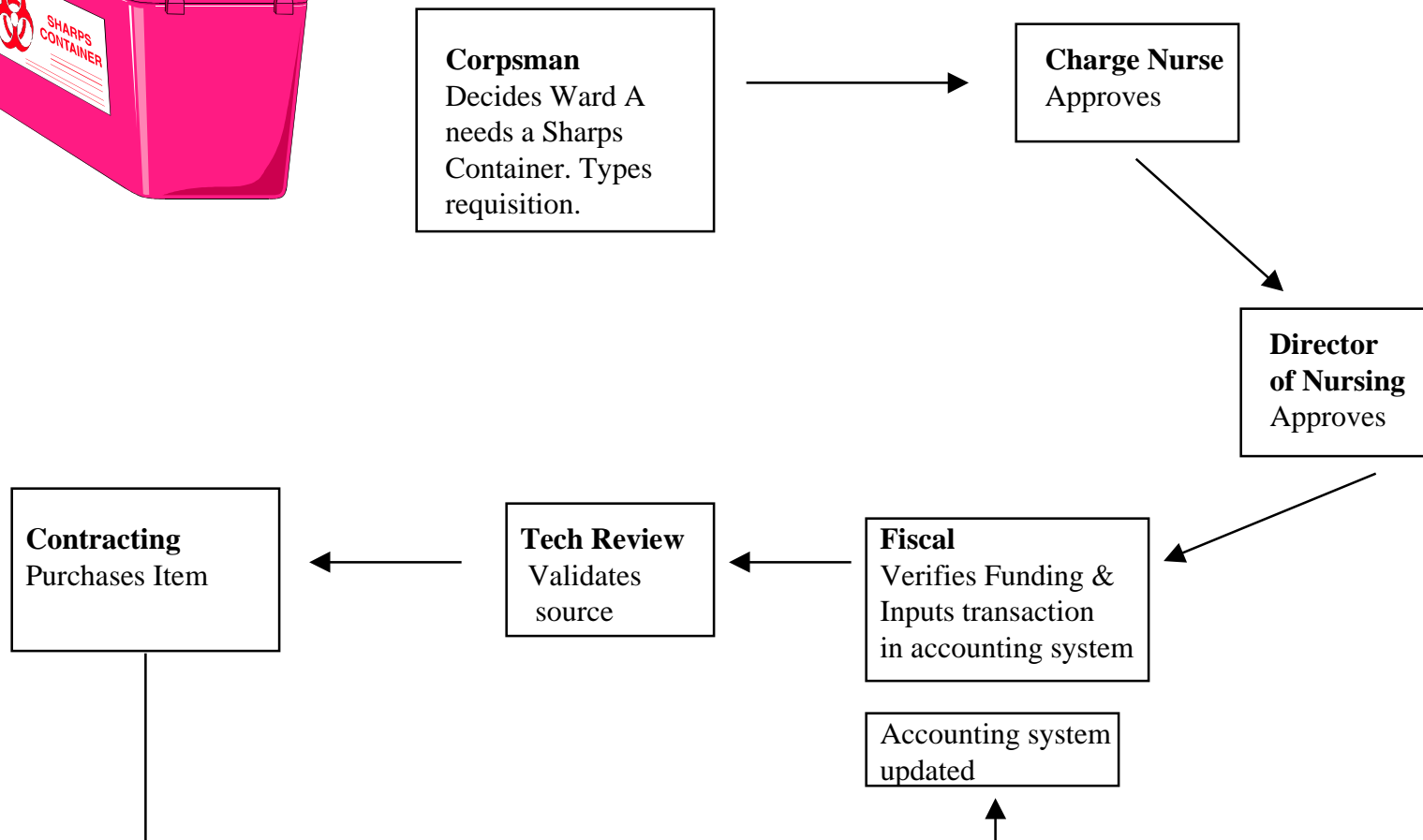
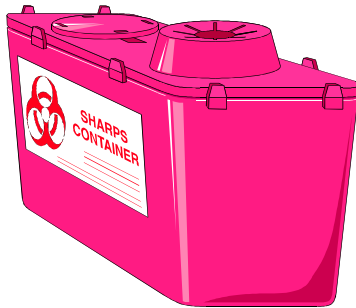
The diagram also shows a **Truck** outside the **Receiving** area, indicating the flow of goods into the hospital.

Shorten Time and Resources Required

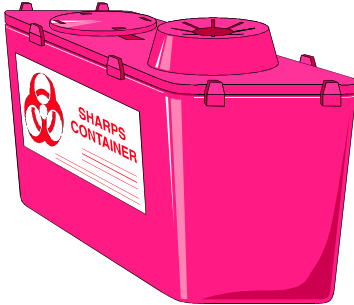
Present versus DMLSS Business Practices

*Financial
and
Facilities Management*

Present Ordering Process



DMLSS Ordering System



Corpsman or Material Management Personnel

Inventory Ward A Storeroom with Bar Code Scanner.
System suggests that Sharps Container be ordered.
Person confirms order and transmits.

DMLSS

Verifies funding against
Operating Target &
inputs transaction
into DFAS accounting
system.

DMLSS

MTF Catalog has
already confirmed the
source and confirmed
the individuals
privileges to order
item for that JON.

DMLSS

Order transmitted to
purchasing. When
item ordered
purchasing updates
system and system
updates DFAS Record.

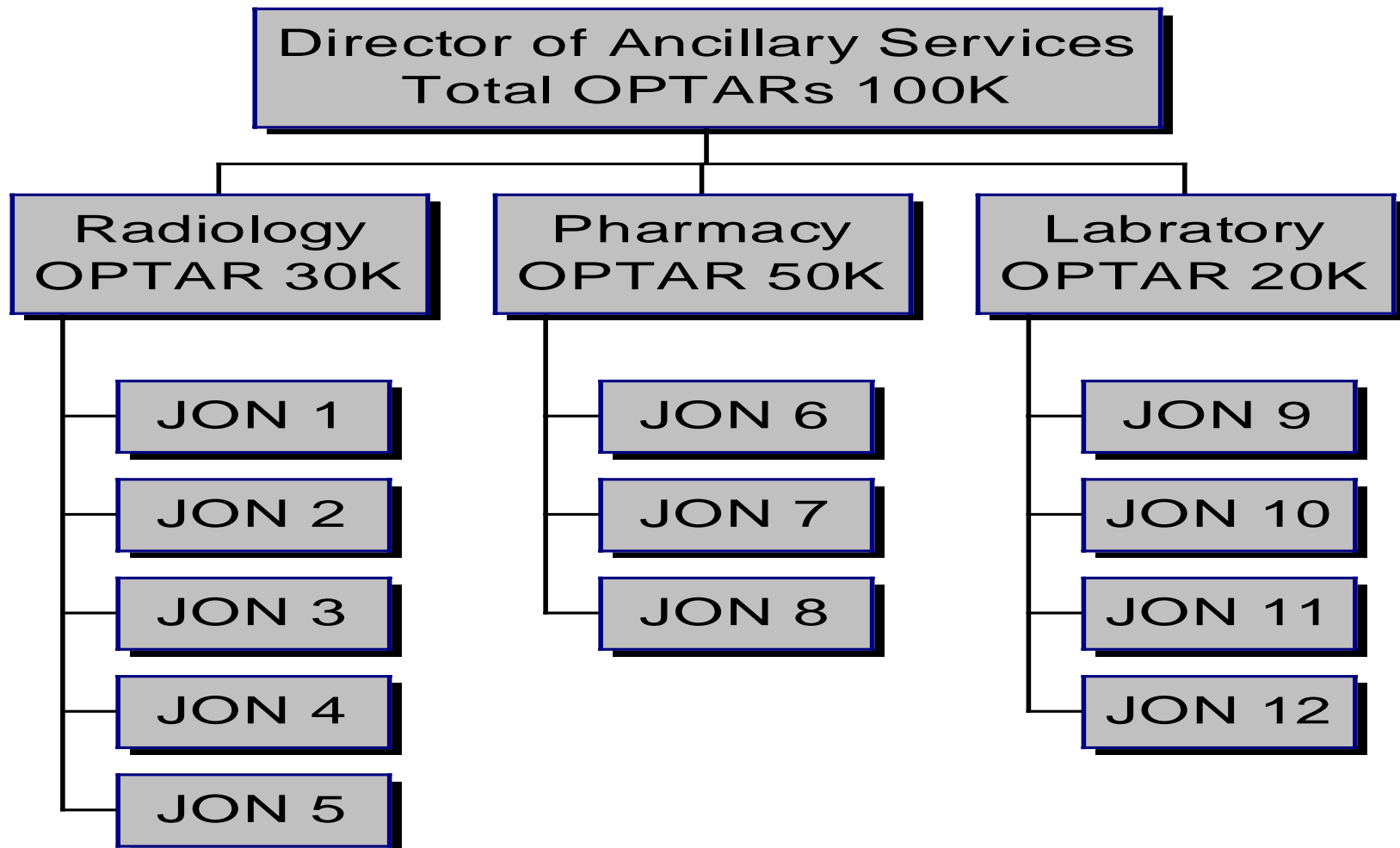
Present Operating Target System

- **Targets for departments tracked using manual memorandum records.**
- **Encompass a wide range of expense elements.**
- **Targets do not take into consideration consumption of Micro MICS and CPD Inventories.**

DMLSS Operating Target System

- **Tracks targets for departments by:**
 - **Consumable Supplies**
 - **Expense Equipment**
 - **Pharmaceuticals**
 - **Printing**
- **Detail and control available at Directorate and Department Level.**
- **All sources of supply impact target.**
- **Targets can be set for expense elements.**
- **A zero available balance can restrict ordering.**

DMLSS Operating Target Structure



DMLSS Release 2.0 - Facility Management

- **Our facilities represent our production plants for medical care**
- **DMLSS 2.0 has enhanced capabilities for optimizing the use of our medical care production facilities**
- **New Features:**
 - **Space Management**
 - **Regulatory Compliance/JCAHO**
 - **Computer Assisted Drawing**
 - **Computerized Work Orders Submission/Status**

